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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/665,225	09/18/2003	Arihiro Takeda	1117.68336	6264
7590 12/01/2004		EXAMINER		
Patrick G. Burns, Esq.			DUONG, THOI V	
GREER, BURNS & CRAIN, LTD. Suite 2500 300 South Wacker Drive Chicago, IL 60606			ART UNIT	PAPER NUMBER
			2871	
			DATE MAILED: 12/01/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

9)						
	Application No.	Applicant(s)				
	10/665,225	TAKEDA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Thoi V Duong	2871				
The MAILING DATE of this communication a	appears on the cover sheet	with the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REI THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by state any reply received by the Office later than three months after the material patent term adjustment. See 37 CFR 1.704(b).	N. R 1.136(a). In no event, however, may a reply within the statutory minimum of the field will apply and will expire SIX (6) Monatute, cause the application to become	a reply be timely filed nirty (30) days will be considered timely. ONTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 02	2 September 2004.					
2a) This action is FINAL . 2b) ⊠ T						
3) Since this application is in condition for allow	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice unde	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims	-					
4) Claim(s) 13-16 is/are pending in the application.						
4a) Of the above claim(s) is/are without	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>13-16</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction an	d/or election requirement.					
Application Papers		•				
9) The specification is objected to by the Exam	niner.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the	Examiner. Note the attach	ed Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119		\				
 12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority documents. 2. Certified copies of the priority documents. 	ents have been received.					
3. Copies of the certified copies of the p	priority documents have been					
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152)						
Paper No(s)/Mail Date <u>0504</u> .	6) Other: _					

DETAILED ACTION

1. This office action is in response to the Amendment filed September 02, 2004.

Accordingly, claims 1-12 and 17-33 were cancelled. Currently, claims 13-16 are pending in this application.

Inventorship

2. In view of the papers filed September 02, 2004, the inventorship in this nonprovisional application has been changed by the deletion of Arihiro Takeda, Shingo Kataoka, Tsuyoshi Kamada, and Kazuya Ueda. The sole inventor in the application is Takahiro Sasaki.

The application will be forwarded to the Office of Initial Patent Examination (OIPE) for issuance of a corrected filing receipt, and correction of Office records to reflect the inventorship as corrected.

Response to Arguments

3. Applicant's arguments with respect to the rejection(s)of claim(s) 13-16 under Takeda et al. have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of USPN 6,710,837 B1 of Song et al..

Claim Objections

4. Claim 16 is objected to because of the following informalities: claim 16 recites the limitation "said liquid crystal molecules" in line 2. There is insufficient antecedent basis for this limitation in the claim.

Appropriate correction is required.

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Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

6. Claims 13-16 are rejected under 35 U.S.C. 102(e) as being anticipated by Song et al. (USPN 6,710,837).

Re claim 13, as shown in Figs. 5 and 8A, Song et al. discloses a liquid crystal display device comprising:

a first substrate 10 having thereon a pixel electrode 200 and an active element (see Abstract);

a second substrate 20 having thereon an opposed electrode (col. 7, lines 29-33); and

a liquid crystal layer having liquid crystal molecules 30 interposed between said first and second substrates with said electrodes facing each other,

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wherein a first orientation control element 270 extending in a nonparallel direction relative to an extending direction of an edge of said pixel electrode (vertical edge of the pixel electrode 200 in Fig. 8A) and a second orientation control element 171 (extension of control element 170) extending in a parallel direction relative to an extending direction of said edge are provided on at least one of said first and second substrates, and

said first orientation control element is larger in width than said second orientation control element as shown in Figs. 19D and 19E where the second orientation control element has a width from 0.3 to 3 micron, and as shown in Fig. 20C where the first orientation control element has a width from 3 to 20 micron (col. 11, lines 58-62 and col. 12, lines 6-10),

wherein, re claim 14, said first orientation control element 270 is a slit (aperture pattern) formed in said pixel electrode 200 (col. 7, lines 46-55);

wherein, re claim 15, said second orientation control element is a protrusion formed on said opposed electrode (col. 7, lines 46-55); and

wherein, re claim 16, a dielectric anisotropy of said liquid crystal molecules 30 of said liquid crystal layer is negative (col. 7, lines 5-9).

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thoi V. Duong whose telephone number is (571) 272-2292. The examiner can normally be reached on Monday-Friday from 8:30 am to 4:30 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim, can be reached at (571) 272-2293.

Thoi Duong

11/22/2004

TARIFUR R. CHOWDHURY